

Caddo Lake

Segment: 0401 Cypress Creek Basin

| | |
|-----------------------------------|---|
| Basin number: | 4 |
| Basin group: | A |
| Water body description: | From the Louisiana State Line in Harrison/Marion County to a point 12.3 km (7.6 miles) downstream of SH 43 in Harrison/Marion County, up to pool elevation of 168.5 feet (impounds Big Cypress Creek) |
| Water body classification: | Classified |
| Water body type: | Reservoir |
| Water body length / area: | 26,800 Acres |
| Water body uses: | Aquatic Life Use, Contact Recreation Use, General Use, Fish Consumption Use, Public Water Supply Use |

| Standards Not Met in 2002 | | | | |
|----------------------------------|----------------------|----------------------|--|----------|
| Assessment Area | Use | Support Status | Parameter | Category |
| Clinton Lake | Fish Consumption Use | Partially Supporting | mercury in largemouth bass and freshwater drum | 5a |
| Goose Prairie arm | Fish Consumption Use | Partially Supporting | mercury in largemouth bass and freshwater drum | 5a |
| Harrison Bayou arm | Fish Consumption Use | Partially Supporting | mercury in largemouth bass and freshwater drum | 5a |
| Hells Half Acre | Aquatic Life Use | Not Supporting | depressed dissolved oxygen | 5c |
| Hells Half Acre | Fish Consumption Use | Partially Supporting | mercury in largemouth bass and freshwater drum | 5a |
| Lower 5000 acres | Fish Consumption Use | Partially Supporting | mercury in largemouth bass and freshwater drum | 5a |
| Mid-lake near Uncertain | Fish Consumption Use | Partially Supporting | mercury in largemouth bass and freshwater drum | 5a |
| Pine Island | Fish Consumption Use | Partially Supporting | mercury in largemouth bass and freshwater drum | 5a |
| Remainder of segment | Fish Consumption Use | Partially Supporting | mercury in largemouth bass and freshwater drum | 5a |

| Standards Not Met and Concerns in Previous Years | | | | |
|---|------------------|---------------------------|----------------------------|----------|
| Assessment Area | Use | Support Status or Concern | Parameter | Category |
| Clinton Lake | Aquatic Life Use | Not Supporting | depressed dissolved oxygen | 5c |
| Clinton Lake | General Use | Not Supporting | low pH | 5c |
| Harrison Bayou arm | Aquatic Life Use | Not Supporting | depressed dissolved oxygen | 5c |

Additional Information: The contact recreation and public water supply uses are fully supported.

(based on data from 03/01/1996 to 02/28/2001)

This segment was identified on the 2000 303(d) List as not supporting the general use due to low pH. Because there were insufficient data available in 2002 to evaluate changes in water quality, this segment will be identified as not meeting the standard for pH until sufficient data are available to demonstrate use support.

This segment was also identified on the 2000 303(d) List as not supporting the aquatic life use due to depressed dissolved oxygen in several areas of the reservoir. Because an insufficient number of 24-hour dissolved oxygen values were available in 2002 to determine if the criterion is supported, this segment will be identified as not meeting the standard for depressed dissolved oxygen until sufficient 24-hour measurements are available to demonstrate support of the criterion.

| 2002 Concerns: | | | |
|------------------------|----------------------------------|--------------------------|-------------------------------|
| Assessment Area | Use or Concern | Concern Status | Description of Concern |
| Clinton Lake | Aquatic Life Use | Use Concern-Limited Data | depressed dissolved oxygen |
| Clinton Lake | General Use | Use Concern-Limited Data | low pH |
| Clinton Lake | Nutrient Enrichment Concern | Concern | ammonia |
| Clinton Lake | Fish Tissue Contaminants Concern | Concern | mercury in fish tissue |
| Goose Prairie arm | Aquatic Life Use | Use Concern-Limited Data | depressed dissolved oxygen |
| Goose Prairie arm | General Use | Use Concern-Limited Data | low pH |
| Harrison Bayou arm | Aquatic Life Use | Use Concern-Limited Data | depressed dissolved oxygen |
| Hells Half Acre | Aquatic Life Use | Use Concern | depressed dissolved oxygen |
| Hells Half Acre | General Use | Use Concern | low pH |
| Hells Half Acre | Sediment Contaminants Concern | Concern | barium in sediment |
| Hells Half Acre | Sediment Contaminants Concern | Concern | manganese in sediment |
| Hells Half Acre | Sediment Contaminants Concern | Concern | mercury in sediment |
| Hells Half Acre | Sediment Contaminants Concern | Concern | selenium in sediment |
| Hells Half Acre | Sediment Contaminants Concern | Concern | zinc in sediment |
| Lower 5000 acres | General Use | Use Concern | high and low pH |
| Lower 5000 acres | Nutrient Enrichment Concern | Concern | ammonia |
| Lower 5000 acres | Sediment Contaminants Concern | Concern | lead in sediment |
| Lower 5000 acres | Sediment Contaminants Concern | Concern | manganese in sediment |
| Lower 5000 acres | Sediment Contaminants Concern | Concern | mercury in sediment |
| Lower 5000 acres | Sediment Contaminants Concern | Concern | zinc in sediment |

| Monitoring sites used: | | |
|-------------------------------|-------------------|--|
| Assessment Area | Station ID | Station Description |
| Clinton Lake | 14236 | CADDO LAKE AT DEVILS ELBOW IN UPPER LAKE NEAR CLINTON LAKE |
| Goose Prairie arm | 15275 | CADDO LAKE IN GOOSE PRAIRIE ARM NEAR BOAT RAMP AT CRIP'S CAMP IN UNCERTAIN, TX |

| Monitoring sites used: | | |
|-------------------------------|-------------------|--|
| Assessment Area | Station ID | Station Description |
| Harrison Bayou arm | 10286 | CADDO LAKE 0.25 MI. NE OF THE MOUTH OF HARRISON BAYOU AND 0.5 MI. EAST OF LONG POINT |
| Harrison Bayou arm | 14946 | CADDO LAKE 0.5 MI. NORTH OF LONG POINT IN A NATURAL CHANNEL BETWEEN TWO CYPRESS BREAKS AT GOOSE ISLAND |
| Hells Half Acre | 10294 | CADDO LAKE NEAR HELLS HALF ACRE IN CARTER LAKE |
| Hells Half Acre | 15023 | CADDO LAKE AT PINE NEEDLE LODGE PIER, APPROX. 5 MI. SE OF THE INTERSECTION OF SH 43 AND SH 49 |
| Lower 5000 acres | 10283 | CADDO LAKE MID LAKE |
| Mid-lake near Uncertain | 15249 | CADDO LAKE NEAR SHORE AT END OF FM 2198 AT DWIGHT SHELLMANS PROPERTY, SE OF UNCERTAIN |
| Pine Island | 15248 | CADDO LAKE NEAR SHORE KENNETH WINNS PIER, 2 MI. NORTH OF FM 2198 ON PINE ISLAND RD (RR2 BOX 11C-1) |

| Published studies: | | |
|-------------------------------|-------------|----------------------|
| Publication | Date | Author |
| AS 121/SR Cypress Creek Basin | Jan. 1993 | Crowe, A. (Region 5) |
| IMS 50 Caddo Lake | Feb. 1975 | Kirkpatrick, J. |